JOURNAL OF THE

AUDIO ENGINEERING SOCIETY

SUBJECT AND AUTHOR INDEX

VOLUME 21-1973 NUMBERS 1-10

SUBJECT INDEX

Acoustics

Characteristics of Reverberation Chamber (PN)—Daniel Queen and Raymond Stanner, No. 4, p. 274

Equivalent Acoustic Distance—Don Davis, No. 8, p. 646

Estimating Noise Exposure for Site Selection and Exterior Wall Design (PN)—Harold R. Mull, No. 9, p. 726

How Caruso's Voice Shattered Wine Glasses, Harry F. Olson, No. 10, p. 836

Audio Circuits

Clavichord Amplification (PN)—Ralph W. Burhans, No. 6, p. 460

The Design and Use of a Simple Pseudo Random Pink-Noise Generator—D.B. Keele, Jr., No. 1, p.33

Dolby B-Type Noise Reduction for FM Broadcasts—D.P. Robinson, No. 5, p. 351

Feedback on Clavichords (F)—Ralph W. Burhans, No. 8, p.652

Low-Bit Sine-Wave Approximations for Audio Signal Sources (PN)—Ralph W. Burhans, No. 4, p. 277

A Method for Qualifying Recorded Tone Bursts (PN)—William M. Blethen, No. 5, p. 387

Comments on "Model Railroad Sound System" (F)—William Hoskins, No. 4, p. 289

Comments on "On Chuffs" (F)—D.A. Kerr, No. 8, p. 651

A New Automatic Noise-Reduction System (ANRS)—Masami Yamazaki and Isao Masuda, No. 6, 445

Optimum Use of Noise Reduction in FM Broadcasting—Ray M. Dolby, No. 5, p. 357

The Pitfalls of the General-Purpose IC Operational Amplifier as Applied to Audio Signal Processing—Walter G. Jung, No. 9, p. 706

Quadraphonic Matrix Perspective—Advances in SQ Encoding and Decoding Technology—Benjamin B. Bauer, Richard G. Allen, Gerald A. Budelman, and Daniel W. Gravereaux, No. 5, p. 342

Simple Bandpass Filters (PN)—Ralph W. Burhans, No. 4, p. 275

Further on Simple Pseudo Random Pink-Noise Generator (F)—D.B. Keele, Jr., No. 3, p. 198

Symmetrical Design of T and H Pads Using Nomogram (PN)—Ronald Ajemian, No. 3, p. 192

Tubes Versus Transistors—Is There an Audible Difference?—Russell O. Hamm, No. 4, p. 267

Comments on "Tubes Versus Transistors—Is There an Audible Difference?" (F)—R. Steven Mintz, No. 8, p. 651

The Validity of the "Momentary" Power Output Rating to Amplification of Speech (F)—Daniel Queen, No. 7, p. 583

Broadcasting

Audio Engineering and Equipment Requirements for Stereo Television Production That Meets Perceptual Demands (PN)—William L. Kaffenberger, No. 2, p. 127

Dolby B-Type Noise Reduction for FM Broadcasts—D.P. Robinson, No. 5, p. 351

Multitrack Audio in Video Production—Eugene M. Nothaft and Tom W. Irby, No. 3, p. 172

Optimum Use of Noise Reduction in FM Broadcasting—Ray M. Dolby, No. 5, p. 357

The Status of Broadcast Cartridge Design (PN)—Robert L.

Manierre, No. 4, p. 281

AES Conventions

And Now. . .C-3: AES Convenes in Rotterdam—No. 4, p. 290

Forty-Fifth Convention Report—No. 6, p. 464

Four Faces of Convention—No. 9, p. 732

Sir Who? (F)—Percy Wilson, No. 2, p. 130

Digital Techniques

Low-Bit Sine-Wave Approximations for Audio Signal Sources (PN)—Ralph W. Burhans, No. 4, p. 277

Rate-Feedback Binary Counters in Musical Scale Generation—G.W. Small, No. 9, p. 702

Disc Recording and Reproduction

Development of Skew Sampling Compensator for Tracing Error—S. Washizawa, Tomofumi Nakatani, and Takeo Shiga, No. 8, p. 630

Dynamic Damping of Stylus Compliance/Tone-Arm Resonance—Gary T. Nakai, No. 7, p. 555

Half-Speed Cutting of the CD-4 Discrete Four-Channel Records and Other Improvements of the System—T. Inoue, Isao Owaki, Yukinobu Ishigaki, and Katsuya Goh, No. 8, p. 625

Hertzian Theory and Scanning Loss (F)—Duane H. Cooper, No. 5, p. 400

QMX Carrier-Channel Disc—Duane H. Cooper, Takeo Shiga, and Toshihiko Takagi, No. 8, p. 614

Recording Sound Photographically on Paper Disks (PN)—Michel S. Michail and Richard McFee, No. 3, p. 187

Recording Techniques for SQ Matrix Quadraphonic Discs—Benjamin B. Bauer, Gerald A. Budelman, and Daniel W. Gravereaux, No. 1, p. 19

Technical Requirements and Analysis of Phono Cartridges for Proper Playback of CD-4 Discrete Four-Channel Records—T. Inoue, N. Shibata, and K. Goh, No. 3, p. 166

A Theory of Scanning Loss in Phonographs—James V. White, No. 2, p. 94

Electronic Music and Sound Synthesis

Clavichord Amplification (PN)—Ralph W. Burhans, No. 6, p. 460

Enhanced Electronic Organ Performance by Means of Custom LSI Devices—Warren J. Brunsting, No. 5, p. 373

Experimental Electronic Music Devices Employing Walsh Functions—Bernard A. Hutchins, Jr., No. 8, p. 640

Feedback on Clavichords (F)—Ralph W. Burhans, No. 8, p. 652

Rate-Feedback Binary Counters in Musical Scale Generation—G.W. Small, No. 9, p. 702

The Synthesis of Complex Audio Spectra by Means of Frequency Modulation—John M. Chowning, No. 7, p. 526

Synthesis of the Musical Scale Using Noninteger Frequency Division—G.W. Small, No. 4, p. 262

Tempered Tone-Scale Generation From A Single Oscillator (PN)—Nico V. Franssen, No. 6, p. 457

Editorials

How It All Began?—No. 9, p. 762

McProud Speaks at 46th Convention—C.G. McProud, No. 8, p. 657

The Need for an Audio Engineering Society?—No. 9, p. 766

A New Look at Section Activity—No. 7, p. 594

Opening Address: 44th Convention—Peter Burkowitz, No. 3, p. 200

Secretary's Report on Growth of AES-Europe—H.A.O. Wilms, No. 4, p. 316

Education in Audio

Action in Ithaca (F)—Bernard A. Hutchins, Jr., No. 2, p. 129

School Phase Out (F), Ray Janos, No. 10, p. 834

What is the Need for University Level Education in Audio? (F)—J. Robert Ashley, No. 3, p. 198

Education on Audio (F)—Almon H. Clegg, No. 5, p. 400

More About Education in Audio Engineering (F)—J. Robert Ashley, No. 7, p. 586

More on Audio Education (F)—Geoffrey L. Wilson, No. 8, p. 651

Reply to Comments on Audio Education (F)—Almon H. Clegg, No. 8, p. 652

Still More on Audio Education (F), Percy Wilson, No. 10, p. 833

Four-Channel Recording

Half-Speed Cutting of the CD-4 Discrete Four-Channel

Records and Other Improvements of the System—T. Inoue, Isao Owaki, Yukinobu Ishigaki, and Katsuya Goh, No. 8, p. 625

Periphony— With-Height Sound Reproduction—Michael A. Gerzon, No. 1, p. 2

Phase Difference and Sound Image Localization—Takeshi K. Marsudaira and Takeshi Fukami, No. 10, p. 792

The Precedence Effect in Sound Localization—Hans Wallach, Edwin B. Newman and Mark R. Rosenzweig, No. 10, p. 817

Recording Techniques for SQ Matrix Quadraphonic Discs—Benjamin B. Bauer, Gerald A. Budelman, and Daniel W. Gravereaux, No. 1, p. 19

QMX Carrier-Channel Disc—Duane H. Cooper, Takeo Shiga, and Toshihiko Takagi, No. 8, p. 614

Quadraphonic Matrix Perspective—Advances in SQ Encoding and Decoding Technology—Benjamin B. Bauer, Richard G. Allen, Gerald A. Budelman, and Daniel W. Gravereaux, No. 5, p. 342

Some Single and Multiple-Source Localization Effect—Mark B. Gardner, No. 6, p. 430

Technical Requirements and Analysis of Phono Cartridge for Proper Playback of CD-4 Discrete Four-Channel Records—T. Inoue, N. Shibata, and K. Goh, No. 3, p. 166

Ways to Four-Channel (F), Richard C. Cabot, No. 10, p. 834

Loudspeakers

Closed-Box Loudspeaker Systems—Part II: Synthesis—Richard H. Small, No. 1, p. 11

Comments on "Delay Effects in Loudspeakers" (F)—Stephen J. Court, No. 4, p. 288

Reply to "Comments on Delay Effects in Loudspeakers" (F)—Paul W. Klipsch, No. 4, 288

On the Doppler Distortion in Loudspeakers (PN)—S. Braun, No. 3, p. 185

The Drone-Cone, Phase-Inverter Loudspeaker (PN)—Harry F. Olson, No. 7, p. 582

Gradient Loudspeakers—Harry F. Olson, No. 2, p. 86

Loudspeaker Standards and Loudspeaker Performance Limitations (PN)—Richard H. Small, No. 2, p. 117

A Loudspeaker System Design Utilizing A Sixth-Order Butterworth Response Characteristic—Raymond J. Newman, No. 6, p. 450

A Proposed Standard Method of Measuring the Directivity Factor "Q" of Loudspeakers Used in Commercial Sound Work—Don Davis, No. 7, p. 571

More on. . .Measuring the Directivity Factor, "Q". . .(F)—Don Davis, No. 9, p. 730

Directivity Factor: Q or RΘ? (F)—Geoffrey L. Wilson, No. 10, p. 828

Directivity Factor Further Comments on (F)—Don Davis, No. 10, p. 827

Sensitivity of Thiele's Vented Loudspeaker Enclosure Alignments to Parameter Variations—D.B. Keele, Jr., No. 4, p. 246

On the Synthesis of Closed-Box Systems Using Available Drivers (F)—K.P. Zacharia, No. 9, p. 729

The Theory of Loudspeaker Cabinet Resonances—James K. Iverson, No. 3, p. 177

Vented-Box Loudspeaker System—Part I: Small-Signal Analysis—Richard H. Small, No. 5, p. 363

Vented-Box Loudspeaker Systems—Part II: Large-Signal Analysis—Richard H. Small, No. 6, p. 438

Vented-Box Loudspeaker Systems—Part III: Synthesis—Richard H. Small, No. 7, p. 549

Vented-Box Loudspeaker Systems-Part IV: Appendices—Richard H. Small, No. 8, p. 635

Measuring and Test Equipment

Automatic Detection of Impulse Noise—George R. Kinzie, Jr., and Daniel W. Gravereaux, No. 3, p. 181

The Delay Plane, Objective Analysis of Subjective Properties: Part I—Richard C. Heyser, No. 9, p. 690

The Delay Plane, Objective Analysis of Subjective Properties: Part II—Richard C. Heyser, No. 10, p. 786

The Design and Use of a Simple Pseudo Random Pink-Noise Generator—D.B. Keele, Jr., No. 1, p. 33

EIA RS-400 "Reproducer Test Tape" Reviewed (PN)—John G. McKnight, No. 2, p. 115

Comments on "Field-Type Artificial Voice" (F)—Robert B. Dyer, No. 2, p. 129

Further on Simple Pseudo-Random Pink-Noise Generator (F)—D.B. Keele, Jr., No. 3, p. 198

Microphones

Quadraphonic One Point Pickup Microphone—Takeo Yamamoto, No. 4, p. 256

Subminiature Electret Microphone in a Tie Tac (PN)—Alan R. Watson, No. 9, p. 719

Musical Instruments

Clavichord Amplification (PN)—Ralph W. Burhans, No. 6, p. 460

Feedback on Clavichords (F)—Ralph W. Burhans, No. 8, p. 652

Instrumentation and Methods of Violin Testing—Carleen M. Hutchins, No. 7, p. 563

Noise and Vibration

On Damage Risk Through Occupational Noise Exposure (F)—Alex Szecsody, No. 8, p. 650

Estimating Noise Exposure for Site Selection and Exterior Wall Design (PN)—Harold R. Mull, No. 9, p. 726

Noise and Uncle (PN)—Weems L. Clevenger, No. 9, p. 724

Psychoacoustics and Bioacoustics

Comparison of Network and Real-Ear Characteristics of the External Ear—Mark B. Gardner and Melville S. Hawley, No. 3, p. 158

Computer-Generated Pure Tones and Noise and Its Application to Psychoacoustics (PN)—Milton Rosenstein, No. 2, p. 121

On Damage Risk Through Occupational Noise Exposure (F)—Alex Szecsody, No. 8, p. 650

The Delay Plane, Objective Analysis of Subjective Properties: Part I—Richard C. Heyser, No. 9, p. 690

The Delay Plane, Objective Analysis of Subjective Properties: Part II—Richard C. Hesyer, No. 10, p. 786

Comments on "Delay Effects in Loudspeakers" (F)—Stephen J. Court, No. 4, p. 288

Reply to "Comments on Delay Effects in Loudspeakers" (F)—Paul W. Klipsch, No. 4, p. 288

A Method of Coding Complex Shapes for the Blind by an Auditory Display (PN)—Raymond M. Fish, No. 5, p. 378

Perceptual Study of Segments of Intervocalic Stops and Affricates—S.K. Gupta, S.S. Agrawal and Rais Ahmed, No. 2, p. 108

Phase Difference and Sound Image Localization—Takeshi K. Matsudaira and Takeshi Fukami, No. 10, p. 792

The Precedence Effect in Sound Localization—Hans Wallach, Edwin B. Newman and Mark R. Rosenzweig, No. 10 p. 817

Relative Importance of the Direct and Reverberant Fields to Spectrum Perception (PN)—Daniel Queen, No. 2, p. 119

Some Single and Multiple-Source Localization Effects—Mark B. Gardner, No. 6, p. 430

Recording Studio Equipment

Equalizing the Monitoring Environment—John Eargle, No. 2, p. 103

Half-Speed Cutting of the CD-4 Discrete Four-Channel Records and Other Improvements of the System—T. Inoue, Isao Owaki, Yukinobu Ishigaki, and Katsuya Goh, No. 8, p. 625

A New Automatic Noise-Reduction System (ANRS)—Masami Yamazaki and Isao Masuda, No. 6, p. 445

PCM Recorder—A New Type of Audio Magnetic Tape Recorder—N. Sato, No. 7, p. 542

Quadraphonic Matrix Perspective—Advances in SQ Encoding and Decoding Technology—Benjamin B. Bauer, Richard G. Allen, Gerald A. Budelman, and Daniel W. Gravereaux, No. 5, p. 342

Recording Techniques for SQ Matrix Quadraphonic Discs—Benjamin B. Bauer, Gerald A. Budelman, and Daniel W. Gravereaux, No. 1, p. 19

Simple Bandpass Filters (PN)—Ralph W. Burhans, No. 4, p. 275

Sound Systems

Audio Engineering Equipment Requirements for Stereo Television Production That Meets Perceptual Demands (PN)—William L. Kaffenberger, No. 2, p. 127

Design Considerations for a Transportable Sound-Reinforcement System (PN)—Allan P. Smith, No. 4, p. 279

The Design and Use of a Simple Pseudo Random Pink-Noise Generator—D.B. Keele, Jr., No. 1, p. 33

Designing an Auditorium Sound Reinforcement System—Peter D. Hiscocks, No. 10, p. 809

Equalizing the Monitoring Environment—John Eargle, No. 2, p. 103

Equivalent Acoustic Distance—Don Davis, No. 8, p. 646

Experimental Investigation of Sound-System-Room Feedback—William K. Connor, No. 1, p. 27

Further on Simple Pseudo-Random Pink-Noise Generator (F)—D.B. Keele, Jr., No. 3, p. 198

Comments on "Model Railroad Sound System" (F)—Willaim Hoskins, No. 4, p. 289

Comments on "On Chuffs" (F)—D.A. Kerr, No. 8, p. 651

Periphony: With-Height Sound Reproduction—Michael A.

Gerzon, No. 1, p. 2

Relative Importance of the Direct and Reverberant Fields to Spectrum Perception (PN)—Daniel Queen, No. 2, p. 119

Comments on "Requirements for Theatre Sound and Communication Systems" (F)—Bertram O. Schultz, No. 2, p. 130

Sound of the Games (PN)—Donna Roizen and Joseph Roizen, No. 5, p. 381

Speech and Hearing

Audio Engineering and Equipment Requirements for Stereo Television Production That Meets Perceptual Demands (PN)—William L. Kaffenberger, No. 2, p. 127

Comparison of Network and Real-Ear Characteristics of the External Ear—Mark B. Gardner and Melville S. Hawley, No. 3, p. 158

Computer-Generated Pure Tones and Noise and Its Application to Psychoacoustics (PN)—Milton Rosenstein, No. 2, p. 121

On Damage Risk Through Occupational Noise Exposure (F)—Alex Szecsody, No. 8, p. 650

A Method of Coding Complex Shapes for the Blind by an Auditory Display (PN)—Raymond M. Fish, No. 5, p. 378

Noise and Uncle (PN)—Weems L. Clevenger, No. 9, p. 724

Perceptual Study of Segments of Intervocalic Stops and Affricates—S.K. Gupta, S.S. Agrawal and Rais Ahmed, No. 2, p. 108

Phase Difference and Sound Image Localization—Takeshi K. Matsudaira and Takeshi Fukami, No. 10, p. 792

The Precedence Effect in Sound Localization—Hans Wallach, Edwin B. Newman and Mark R. Rosenzweig, No. 10, p. 817

Relative Importance of the Direct and Reverberant Fields to Spectrum Perception (PN)—Daniel Queen, No. 2, p. 119

The Validity of the "Momentary" Power Output Rating to Amplification of Speech (F)—Daniel Queen, No. 7, p. 583

Standards

The Delay Plane, Objective Analysis of Subjective Properties: Part I—Richard C. Heyser, No. 9, p. 690

The Delay Plane, Objective Analysis of Subjective Properties: Part II—Richard C. Heyser, No. 10, p. 786

Comments on "Desirability of Tape Rating System" (F)—Basil Lane, No. 4, p. 287

EIA RS-400 "Reproducer Test Tape" Reviewed (PN)—John G. McKnight, No. 2, p. 115

Loudspeaker Standards and Loudspeaker Performance Limitations (PN)—Richard H. Small, No. 2, p. 117

Noise and Uncle (PN)—Weems L. Clevenger, No. 9, p. 724

A Proposed Standard Method of Measuring the Directivity Factor "Q" of Loudspeakers Used in Commercial Sound Work—Don Davis, No. 7, p. 571

More on. . .Measuring the Directivity Factor, "Q". . .(F)—Don Davis, No. 9, p. 730

Directivity Factor: Q or RΘ? (F)—Geoffrey L. Wilson, No. 10, p. 828

Directivity Factor Further Comments on (F)—Don Davis, No. 10, p. 827

More on Tape Rating (F)—Gerald Shirley, No. 4, p. 287

The Validity of the "Momentary" Power Output Rating to Amplification of Speech (F)—Daniel Queen, No. 7, p. 583

Tape Recording and Reproduction

Comments on "Desirability of Tape Rating System" (F)—Basil Lane, No. 4, p. 287

More on Tape Rating (F)—Gerald Shirley, No. 4 p. 287

Development of an Advanced $Fe_2\Theta_3$ Cassette Tape Coating—F.J. Sischka, No. 10, p. 798

EIA RS-400 "Reproducer Test Tape" Reviewed (PN)—John G. McKnight, No. 2, p. 115

A Method for Qualifying Recorded Tone Bursts (PN)—William M. Blethen, No. 5, p. 387

Multitrack Audio in Video Production—Eugene M. Nothaft and Tom W. Irby, No. 3, p. 172

PCM Recorder—A New Type of Audio Magnetic Tape Recorder—N. Sato, No. 7, p. 542

Pulse-Code-Modulation Recording System—Hiroshi Iwamura, Hideaki Hayashi, Atsushi Miyashita, and Takeaki Anazawa, No. 7, p. 535

Some Thoughts on Cassette Duplication (PN)—M.B. Martin, No. 9, p. 715

The Status of Broadcast Cartridge Design (PN)—Robert L. Mainierre, No. 4, p. 281

A Study to Establish Optimum Level on Cassette Tape Copies (PN)—Stewart L. Smith and James B. Wood, No. 1, p. 42

Ways to Four-Channel (F), Richard C. Cabot, No. 10, p. 834

AUTHOR INDEX

Agrawal, S.S.—See Gupta, S.K.

Ahmed, Rais—See Gupta, S.K.

Ajemian, Ronald—Symmetrical Design of T and H Pads Using Nomogram (PN), No. 3, p. 192

Allen, Richard G.—See Bauer, Benjamin B.

Anazawa, Takeaki—See Iwamura, Hiroshi

Ashley, J. Robert—What is the Need for University Level Education in Audio (F), No. 3, p. 198

Ashley, J. Robert—More About Education in Audio Education (F), No. 7, p. 586

Bauer, Benjamin B., Richard G. Allen, Gerald A. Budelman, and Daniel W. Gravereaux—Quadraphonic Matrix Perspective—Advances in SQ Encoding and Decoding Technology, No. 5, p. 342

Bauer, Benjamin B., Gerald A. Budelman, and Daniel W. Gravereaux—Recording Techniques for SQ Matrix Quadraphonic Discs, No. 1, p. 19

Blethen, William M.— A Method for Qualifying Recorded Tone Bursts (PN), No. 5, p. 387

Braun, S.—On the Doppler Distortion in Loudspeakers (PN), No. 3, p. 185

Brunsting, Warren J.—Enhanced Electronic Organ Performance by Means of Custom LSI Devices, No. 5, p. 373

Budelman, Gerald A.—See Bauer, Benjamin B.

Burhans, Ralph W.—Simple Bandpass Filters (PN), No. 4, p. 275

Burhans, Ralph W.—Low-Bit Sine-Wave Approximations for Audio Signal Sources (PN), No. 4, p. 277

Burhans, Ralph W.—Clavichord Amplication (PN), No. 6, p. 460

Burhans, Ralph W.—Feedback on Clavichords (F), No. 8, p. 652

Burkowitz, Peter—Opening Address: 44th Convention, No. 3 p. 200

Cabot, Richard C.—Ways to Four-Channel (F), No. 10, p. 834

Clevenger, Weems L.—Noise and Uncle (PN), No. 9, p. 724

Clegg, Almon H.—Education on Audio (F), No. 5, p. 400

Clegg, Almon H.—Reply to Comments on Audio Education (F), No. 8, p. 652

Chowning, John M.—The Synthesis of Complex Audio Spectra by Means of Frequency Modulation, No. 7, p. 526

Connor, William K.—Experimental Investigation of Sound-System-Room Feedback, No. 1, p. 27

Cooper, Duane H.—Hertzian Theory and Scanning Loss (F), No. 5, p. 400

Cooper Duane H., Takeo Shiga and Toshihiko Takagi—QMX Carrier-Channel Disc, No. 8, p. 614

Court, Stephen J.—Comments on "Delay Effects in Loudspeakers" (F) No. 4, p. 288

Davis, Don—A Proposed Standard Method of Measuring the Directivity Factor "Q" of Loudspeakers Used in Commercial Sound Work, No. 7, p. 571

Davis, Don—Equivalent Acoustic Distance, No. 8, p. 646

Davis, Don—More on. . .Measuring the Directivity Factor, "Q". . .(F), No. 9, p. 730

Davis, Don—Further Comments on Directivity Factor (F), No. 10, p. 827.

Dolby, Ray M.—Optimum Use of Noise Reduction in FM Broadcasting, No. 5, p. 357

Dyer, Robert B.—Comments on "Field-Type Artificial Voice" (F), No. 2, p. 129

Eargle, John—Equalizing the Monitoring Environment, No. 2, p. 103

Fish, Raymond M.—A Method of Coding Complex Shapes for the Blind by an Auditory Display (PN), No. 5, p. 378

Franssen, Nico V.—Tempered Tone-Scale Generation From A Single Oscillator (PN), No. 6, p. 457

Fukami, Takeshi—See Matsudaira, Takeshi, K.

Gardner, Mark B. and Melville S. Hawley—Comparison of Network and Real-Ear Characteristics of the External Ear, No. 3, p. 158

Gardner, Mark B.—Some Single and Multiple-Source Localization Effects, No. 6, p. 430

Gerzon, Michael A.—Periphony: With-Height Sound Reproduction, No. 1, p. 2

Goh, Katsuya—See Inoue, Toshiya

Gravereaux, Daniel W.—See Bauer, Benjamin

Gravereaux, Daniel W.—See Kinzie, George R., Jr.

Gruber, Arthur E.—A New Look at Section Activity-Report, No. 7, p. 594

Gupta, S.K., S.S. Agrawal and Rais Ahmed—Perceptual Study of Segments of Intervocalic Stops and Affricates, No. 2, p. 108

Hamm, Russell O.—Tubes Versus Transistors—Is There an Audible Difference?, No. 4, p. 267

Hawley, Melville S.—See Gardner, Mark B.

Hayashi, Hideaki—See Iwamura, Hiroshi

Heyser, Richard C.—The Delay Plane, Objective Analysis of Subjective Properties: Part I, No. 9, p. 690

Heyser, Richard C.—The Delay Plane, Objective Analysis of Subjective Properties: Part II, No. 10, p. 786

Hiscocks, Peter D.—Designing an Auditorium Sound Reinforcement System, No. 10, p. 809

Hoskins, William—Comments on "Model Railroad Sound System" (F), No. 4, p. 289

Hutchins, Bernard A. Jr.—Action in Ithaca (F) No. 2, p. 129

Hutchins, Bernard A.— Experimental Electronic Music Devices Employing Walsh Functions, No. 8, p. 640

Hutchins, Carleen M.—Instrumentation and Methods of Violin Testing, No. 7, p. 563

Inoue, T., N. Shibata and K. Goh—Technical Requirements and Analysis of Phono Cartridges for Proper Playback of CD-4 Discrete Four-Channel Records, No. 3, p. 166

Inoue, Toshiya, Isao Owaki, Yukinobu Ishigaki and Katsuya Goh—Half-Speed Cutting of the CD-4 Discrete Four-Channel Records and Other Improvements of the System, No. 8, p. 625

Irby, Tom W.—See Nothaft, Eugene M.

Ishigaki, Yukinobu,—See Inoue, Toshiya

Iverson, James K.—The Theory of Loudspeaker Cabinet Resonances, No. 3, p. 177

Iwamura, Hiroshi, Hideaki Hayashi, Atsushi Miyshita, and Takeaki Anazawa—Pulse-Code-Modulation Recording System, No. 7, p. 535

Janos, Ray—School Phase Out (F), No. 10, p. 834

Jung, Walter G.—The Pitfalls of the General-Purpose IC Operational Amplifier as Applied to Audio Signal Processing, No. 9, P. 706

Kaffenberger, William L.—Audio Engineering and Equipment Requirements for Stereo Television Production That Meets Perceptual Demands (PN), No. 2, p. 127

Keele, D.B. Jr.—The Design and Use of a Simple Pseudo-Random Pink-Noise Generator, No. 1, p. 33

Keele, D.B. Jr.—Further on Simple Pseudo-Random Pink-Noise Generator (F), No. 3, p. 198

Keele, D.B.Jr.—Sensitivity of Thiele's Vented Loudspeaker Enclosure Alignments to Parameter Variations, No. 4, p. 246

Kerr, D.A.—Comments on "On Chuffs" (F), No. 8, p. 651

Kinzie, George R. Jr. and Daniel W. Gravereaux—Automatic Detection of Impulse Noise, No. 3, p. 181

Klipsch, Paul W.—Reply to "Comments on 'Delay Effects in Loudspeakers" (F), No. 4, p. 288

Lane, Basil—Comments on "Desirability of Tape Rating System" (F), No. 4, p. 287

Manierre, Robert L.—The Status of Broadcast Cartridge Design (PN), No. 4, p. 281

Martin, M.B.—Some Thoughts on Cassette Duplication (PN), No. 9, p. 715

Masuda, Isao—See Yamazaki, Masami

Matsudaira, Takeshi K., and Takeshi Fukami—Phase Difference and Sound Image Localization, No. 10, p. 792

McFee, Richard—See Michail, Michel

McKnight, John G.—EIA RS-400 "Reproducer Test Tape" Reviewed (PN), No. 2, p. 115

McProud, C.G.—46th Convention Banquet Speech, No. 8, p. 657

Michail, Michel S. and Richard McFee—Recording Sound Photographically on Paper Disks (PN), No. 3, p. 187

Mintz, R. Steven—Comments on "Tubes Versus Transistors—Is There an Audible Difference?", No. 8, p. 651

Miyashita, Atsushi—See Iwamura, Hiroshi

Mull, Harold R.—Estimating Noise Exposure for Site Selection and Exterior Wall Design (PN), No. 9, p. 726

Nakai, Gary T.—Dynamic Damping of Stylus Compliance/Tone-Arm Resonance, No. 7, p. 555

Nakatani, Tomofumi—See Washizawa, Shigetaka

Newman, Edwin B.— See Wallach, Hans

Newman, Raymond J.—A Loudspeaker System Design Utilizing A Sixth-Order Butterworth Response Characteristics, No. 6, p. 450

Nothaft, Eugene M. and Tom W. Irby—Multitrack Audio in Video Production, No. 3, p. 172

Olson, Harry F.—Gradient Loudspeakers, No. 2, p. 86

Olson, Harry F.—The Drone-Cone, Phase-Inverter Loudspeaker (PN), No. 7, p. 582

Olson, Harry F.—How Caruso's Voice Shattered Wine Glasses, No. 10, p. 836

Owaki, Isao—See Inoue, Toshiya

Queen, Daniel—Relative Importance of the Direct and Reverberant Fields to Spectrum Perception (PN), No. 2, p. 119

Queen, Daniel—The Validity of the "Momentary" Power

Output Rating to Amplification of Speech (F), No. 7, p. 583

Queen, Daniel and Raymond Stanner—Characteristics of Reverberation Chamber (PN), No. 4, p. 274

Robinson, D.P.—Dolby B-Type Noise Reduction for FM Broadcasts, No. 5, p. 351

Roizen, Donna and Joseph Roizen—Sound of the Games (PN), No. 5, p. 381

Rosenstein, Milton—Computer-Generated Pure Tones and Noise and Its Application to Psychoacoustics (PN), No. 2, p. 121

Rosenzweig, Mark R.—See Wallach, Hans

Sato, N.—PCM Recorder—A New Type of Audio Magnetic Tape Recorder, No. 7, p. 542

Schultz, Bertram O.—Comments on "Requirements for Theatre Sound and Communication Systems" (F), No. 2, p. 130

Shibata, N.—See Inoue, T.

Shiga, Takeo—See Cooper, Duane H.

Shiga, Takeo—See Washizawa, Shigetaka

Shirley, Gerald—More on Tape Rating (F), No. 4, p. 287

Sischka, F. J.—Development of an Advanced Fe_2O_3 Cassette Tape Coating, No. 10, p. 789

Small, G.W.—Synthesis of the Musical Scale Using Non-integer Frequency Division, No. 4, p. 262

Small, G.W.—Rate-Feedback Binary Counters in Musical Scale Generation, No. 9, p. 702

Small, Richard H.—Closed-Box Loudspeaker Systems—Part II: Synthesis, No. 1, p. 11

Small, Richard H.—Loudspeaker Standards and Loudspeaker Performance Limitations (PN), No. 2, p. 117

Small, Richard H.—Vented-Box Loudspeaker System—Part I: Small-Signal Analysis, No. 5, p. 363

Small, Richard H.—Vented-Box Loudspeaker Systems—Part II: Large-Signal Analysis, No. 6, p. 438

Small, Richard H.—Vented-Box Louspeaker Systems—Part III: Synthesis, No. 7, p. 549

Small, Richard H.—Vented-Box Louspeaker Systems—Part IV: Appendices, No. 8, p. 635

Smith, Allan P.—Design Considerations for a Transportable Sound-Reinforcement System (PN), No. 4, p. 279

Smith, Stewart L. and James B. Wood—A Study to Establish Optimum Level on Cassette Tape Copies (PN), No. 1, p. 42

Stanner, Raymond—See Queen, Daniel

Szecsody, Alex—On Damage Risk Through Occupational Noise Exposure (F), No. 8, p. 650

Takagi, Toshihiko—See Cooper, Duane H.

Wallach, Hans, Edwin B. Newman and Mark R. Rosenzweigh—The Precedence Effect in Sound Localization, No. 10 p. 817

Washizawa, Shigetaka, Tomofumi Nakatani, and Takeo Shiga—Development of Skew-Sampling Compensator for Tracing Error, No. 8, p. 630

Watson, Alan R.—Subminiature Electret Microphone in a Tie Tac (PN), No. 9, p. 719

White, James V.—A Theory of Scanning Loss in Phonographs, No. 2, p. 94

Wilms, H.A.O.—Secretary's Report on Growth of AES-Europe, No. 4, p. 316

Wilson, Geoffrey L.—More on Audio Education (F), No. 8, p. 651

Wilson, Geoffrey L.—Directivity Factor: Q or R_Θ? (F), No. 10, p. 828

Wilson, Percy—Sir Who? (F), No. 2, p. 130

Wilson, Percy—Still More on Audio Education (F), No. 10, p. 833

Wood, James B.—See Smith, Stewart L.

Yamamoto, Takeo—Quadraphonic One Point Pickup Microphone, No. 4, p. 256

Yamazaki, Masami and Isao Masuda—A New Automatic Noise-Reduction System (ANRS), No. 6, p. 445

Zacharia, K.P.—On the Synthesis of Closed-Box Systems Using Available Drivers (F), No. 9, p. 729